

Electronic Filing System (EFS) Data
Electronic Patent Application Submission
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EFS ID: 13418
Application ID: 09683439
Title of Invention: Switching-Mode Power Converter
with Complementary
Synchronous Rectification
First Named Inventor: Xiao Ping Jin
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2001-12-28
Submission Type: Utility Patent Filing
Filing Type: null
Confirmation Number: 0
Attorney Docket Number: 3360-07
Digital Certificate Holder: cn=Kam T. Tam, ou=Registered Attorneys, ou=Patent and
Trademark Office, ou=Department of Commerce, o=U.S.
Government, c=US
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TRANSMITTAL FORM

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Attorney Docket
Number:

3360-
07

Submission Type: Utility Patent
Filing

Switching-Mode Power Converter with Complementary Synchronous Rectification

First Named Inventor: Dr. Xiao Ping Jin

SUBMITTED BY

Name: Mr. Kam T. Tam
Registration Number: 35756
Electronic Signature Mark: /KTT/ Date Signed: 20011228

I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

declaration	declare.tif
small-entity	sentity.tif
patent-assignments	3360-07asgn.xml

specification.xml

3360-07fee.xml

3360-07apds.xml

declare.tif

sentity.tif

NAME	RESIDENCE	DATE	TIME	REMARKS
JOHN A. BROWN	1234 Main St.	10/15/22	10:30	Arrived on time
MARY E. WHITE	5678 Oak Ave.	10/15/22	11:00	Left early
WILLIAM D. GREEN	9101 Pine Rd.	10/15/22	11:30	Arrived on time
CHARLES F. BLACK	2345 Elm St.	10/15/22	12:00	Left early
EDWARD G. GRAY	6789 Maple Dr.	10/15/22	12:30	Arrived on time
HELEN K. JONES	10110 Cedar Ln.	10/15/22	13:00	Left early
FRANK L. SMITH	11111 Birch Way	10/15/22	13:30	Arrived on time
AGNES M. WILSON	12112 Spruce Ct.	10/15/22	14:00	Left early
ALBERT N. HARRIS	13113 Fir St.	10/15/22	14:30	Arrived on time
BEATRICE O. KING	14114 Ash Ave.	10/15/22	15:00	Left early
CLAUDE P. LEE	15115 Sycamore Rd.	10/15/22	15:30	Arrived on time
EDITH Q. SCOTT	16116 Willow Dr.	10/15/22	16:00	Left early
GEORGE R. TAYLOR	17117 Cottonwood Ln.	10/15/22	16:30	Arrived on time
HAROLD S. ANDERSON	18118 Redwood Way	10/15/22	17:00	Left early
IRVING T. BAKER	19119 Juniper St.	10/15/22	17:30	Arrived on time
JANE U. NELSON	20120 Cypress Ave.	10/15/22	18:00	Left early
JOHN V. HENRY	21121 Palm Rd.	10/15/22	18:30	Arrived on time
KATHLEEN W. COOPER	22122 Magnolia Dr.	10/15/22	19:00	Left early
LAMAR X. FOSTER	23123 Dogwood Ln.	10/15/22	19:30	Arrived on time
MARGARET Y. GIBSON	24124 Hickory Way	10/15/22	20:00	Left early
NATHAN Z. HUGHES	25125 Laurel St.	10/15/22	20:30	Arrived on time
OLIVE AA. JONES	26126 Rose Ave.	10/15/22	21:00	Left early
PETER BB. SMITH	27127 Tulip Rd.	10/15/22	21:30	Arrived on time
REBECCA CC. WILSON	28128 Violet Dr.	10/15/22	22:00	Left early
STANLEY DD. BAKER	29129 Zinnia Ln.	10/15/22	22:30	Arrived on time
THERESA EE. GREEN	30130 Aster Way	10/15/22	23:00	Left early
WILLIAM FF. WHITE	31131 Begonia St.	10/15/22	23:30	Arrived on time
XENIA GG. BLACK	32132 Camellia Ave.	10/15/22	00:00	Left early
YVONNE HH. GRAY	33133 Daffodil Rd.	10/15/22	00:30	Arrived on time
ZACHARY II. JONES	34134 Foxglove Dr.	10/15/22	01:00	Left early
ADAM JJ. SMITH	35135 Gladiolus Ln.	10/15/22	01:30	Arrived on time
BELLA KK. WILSON	36136 Hyacinth Way	10/15/22	02:00	Left early
CARLOS LL. BAKER	37137 Iris St.	10/15/22	02:30	Arrived on time
DANIEL MM. GREEN	38138 Jasmine Ave.	10/15/22	03:00	Left early
EMILIA NN. WHITE	39139 Lavender Rd.	10/15/22	03:30	Arrived on time
FREDERICK OO. BLACK	40140 Marigold Dr.	10/15/22	04:00	Left early
GEOFFREY PP. GRAY	41141 Petunia Ln.	10/15/22	04:30	Arrived on time
HENRIETTA QQ. JONES	42142 Poppy Way	10/15/22	05:00	Left early
ISABEL RR. SMITH	43143 Snapdragon St.	10/15/22	05:30	Arrived on time
JACOB SS. WILSON	44144 Verbena Ave.	10/15/22	06:00	Left early
KATHERINE TT. BAKER	45145 Zinnia Rd.	10/15/22	06:30	Arrived on time
LAMAR UU. GREEN	46146 Aster Dr.	10/15/22	07:00	Left early
MARGARET VV. WHITE	47147 Begonia Ln.	10/15/22	07:30	Arrived on time
NATHAN WW. BLACK	48148 Camellia Way	10/15/22	08:00	Left early
OLIVE XX. GRAY	49149 Daffodil St.	10/15/22	08:30	Arrived on time
PETER YY. JONES	50150 Foxglove Ave.	10/15/22	09:00	Left early
REBECCA ZZ. SMITH	51151 Gladiolus Rd.	10/15/22	09:30	Arrived on time
STANLEY AA. WILSON	52152 Hyacinth Dr.	10/15/22	10:00	Left early
THERESA BB. BAKER	53153 Iris Ln.	10/15/22	10:30	Arrived on time
WILLIAM CC. GREEN	54154 Jasmine Way	10/15/22	11:00	Left early
XENIA DD. WHITE	55155 Lavender St.	10/15/22	11:30	Arrived on time
YVONNE EE. BLACK	56156 Marigold Ave.	10/15/22	12:00	Left early
ZACHARY FF. GRAY	57157 Petunia Rd.	10/15/22	12:30	Arrived on time
ADAM GG. JONES	58158 Poppy Dr.	10/15/22	13:00	Left early
BELLA HH. SMITH	59159 Snapdragon Ln.	10/15/22	13:30	Arrived on time
CARLOS II. WILSON	60160 Verbena Way	10/15/22	14:00	Left early
DANIEL JJ. BAKER	61161 Zinnia St.	10/15/22	14:30	Arrived on time
EMILIA KK. GREEN	62162 Aster Ave.	10/15/22	15:00	Left early
FREDERICK LL. WHITE	63163 Begonia Rd.	10/15/22	15:30	Arrived on time
GEOFFREY MM. BLACK	64164 Camellia Dr.	10/15/22	16:00	Left early
H				

Comments:

Please direct future correspondence to Patent Attorney: Kam T. Tam Attorney at Law 3077 Pavan Drive
San Jose, CA 95148 Telephone: (408) 238-9816 Facsimile: (408) 238-3865

09683439-1001

DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

As a below-named inventor, I hereby declare that my residence, post office address, and citizenship are as stated below next to my name and that I believe that I am the original, first, and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention, the specification of which is attached hereto and which has the following title:

**"Switching-Mode Power Converter with Complementary
Synchronous Rectification"**

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to in the oath or declaration. I acknowledge a duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, Section 1001, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: Xiao Ping Jin
Residence: 1719 South Grand Ave., Santa Ana, CA 92705
Post Office Address: _____
Telephone: (714) 259-4888 (ext. 224)
Citizenship: Singapore

Inventor's Signature: Jin Xiao Ping Date: 12/26/01

Full name of second joint inventor: Jian Ping Fan
Residence: 6984 E. Villanueva Dr., Orange, CA 92867
Post Office Address: _____
Telephone: (714) 974-5914
Citizenship: Singapore

Inventor's Signature: Jian Ping Fan Date: 12/26/01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant or Patentee: James L. Lau
Title: Switching-Mode Power Converter with Complementary Synchronous Rectification

Small Entity Declaration - Small Business Concern

I hereby declare that I am

- ☐ () the owner of the small business concern identified below:
☒ (x) an official of the small business concern empowered to act on behalf of the concern identified below:

NAME OF SMALL BUSINESS CONCERN: Broadband Telcom Power, Inc.
ADDRESS OF SMALL BUSINESS CONCERN: 1719 South Grand Ave.,
Santa Ana, CA 92705

I hereby declare that the above identified small business concern qualifies as small business concern in 13 CFR 121.12, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees to the United States Patent and Trademark Office, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of the statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or seasonal basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other if they are directly or indirectly, one concern controls or has the power to control the other, or a third party or part of the concern controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention described in the specification filed herewith with this application. If the rights held by the above identified small business concern are not exclusive, each individual or organization having rights in the invention must file separate verified statements averring to their status as small entities, and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.91(c) if that person made the invention, or by any concern which qualifies as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.91(e).

Each person, concern or organization having any rights in the invention listed below:

- ☒ [x] no such person, concern or organization exists.
☐ [] each such person, concern or organization is listed below.

Separate verified statements are required from each named person, concern or organization having an interest in the invention averring to their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in the application or patent, notification of any change in the status of the invention as a small entity, loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee, the maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.27)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made herein of my belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such false statements may jeopardize the validity of the any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING James L. Lau
TITLE OF PERSON IF OTHER THAN OWNER Chief Executive Officer
ADDRESS OF PERSON SIGNING 1719 South Grand Ave., Santa Ana, CA 92705

SIGNATURE  DATE 10/19/01

FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Small Entity

Small Business Concern

TOTAL FEES AUTHORIZED: \$ 455

BANK (CREDIT) CARD INFORMATION:

Credit Card Number: 0908
Expiration Date: 20030301
Authorized Name: Kam T. Tam
Billing Address: 95148

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	201	\$ 370

Subtotal For Basic Filing Fee: \$ 370

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 25	203	\$ 9	5	\$ 45
Independent Claims: 3	202	\$ 42	0	\$ 0

Subtotal For Extra Claims Fees: \$ 45

ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40